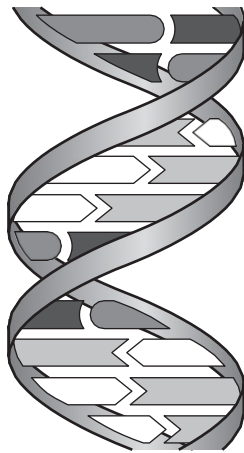


GCSE Biology B (Twenty First Century Science)
J257/01 Breadth in Biology (Foundation)

Question Set 2

Multiple Choice Questions

1. DNA is a polymer made of nucleotides. A nucleotide is made of a sugar, a phosphate and a base.
The diagram shows the structure of DNA.



- (a) (i) On the diagram label the location of a base. [1]
(ii) On the diagram label the location of the sugar and phosphate group. [1]
(b) DNA has four different bases.

A always pairs with T.
C always pairs with G.

A scientist is analysing a sample of DNA. She works out that 23% of DNA is made up of the base A.

Which **two** statements about the sample are correct?

Tick (✓) **two** boxes.

23% of the sample will be the base T.

23% of the sample will be the base C.

27% of the sample will be the base T.

27% of the sample will be the base C.

77% of the sample will be the base T.

[2]

Total Marks for Question Set 2: 4

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